

### **Technical Specifications of Boiler:**

Particulars	Unit	Value / Description
Number of boilers	No.	2
Boiler grate		Reciprocating forward feed-air cooled
Boiler type		Vertical
Boiler steam capacity (MCR)	t/h	45
Superheated steam pressure	kgf/cm <sup>2</sup> (a)	42
Superheated steam temperature	°C	400
Feed water temperature economizer inlet	°C	130
Fuel density	Kg/m <sup>3</sup>	150-250
RDF GCV limit-operational stability & safety	kcal/kg	1000-2000
Excess air	%	30% - 70%
Primary air temperature	°C	220 - 240
Secondary air temperature	°C	150
Efficiency on GCV basis	%	72
Exit flue gas temperature economizer	°C	190
Peak capacity	%	110 MCR
Steam Quality at MSSV outlet		
Conductivity measured at 25 °C	µS/cm	< 0.2
Silica as SiO <sub>2</sub>	ppm	< 0.02
Hardness as CaCO <sub>3</sub>	ppm	Nil
Bottom ash (Grate ash, Bank, Economizer)		Water cooled
Fly ash		Dense Phase Pneumatic Conveyor

Technical Specifications of TG Set:

Parameters	Unit	Value/ Description
STG		1 x 15 MW
Type		Impulse + reaction
Steam pressure inlet	kgf/cm <sup>2</sup>	39.00
Steam temperature inlet	°C	395.00
Steam flow inlet	t/h	80.00
Exhaust steam pressure	kgf/cm <sup>2</sup>	0.18
Exhaust steam flow	t/h	80.00
Mechanical efficiency	%	>95%